THE CLAIMS

- 1 1. (currently amended) A method of making a golf ball, comprising:
- 2 providing a pre-formed golf ball subassembly;
- mixing a first material and a second material in a mixer to form a cover layer material;
- 4 and
- 5 cooling said mixer;
- 6 wherein said cooling includes using a liquid to cool said mixer;
- 7 cooling said pre-formed golf ball subassembly such that said golf ball subassembly
- 8 undergoes a volumetric reduction; and
- applying a cover layer of said cover layer material over said volumetrically reduced golf
- ball subassembly to form a covered golf ball subassembly.
- 1 2. (original) The method of claim 1, wherein said mixing includes mixing said first material
- and said second material to form a cover layer material including at least 0.05% catalyst.
- 1 3. (original) The method of claim 2, wherein said mixing includes mixing said first material
- and said second material to form a cover layer material including at least 0.1% catalyst.
- 4. (original) The method of claim 1, wherein said mixing includes mixing said first material
- 2 and said second material to form a cover layer material having a gel time with a duration of less
- 3 than about 60 seconds.
- 5. (original) The method of claim 1, wherein said mixing includes mixing said first material
- and said second material to form a thermoset polyurethane cover layer material.
- 1 6. (canceled)

- 7. (currently amended) The method of claim [[6]] 1, wherein said applying includes casting
- 2 said cover layer.
- 1 8. (currently amended) The method of claim [[6]] 1, wherein said applying includes
- 2 injection molding said cover layer.
- 9. (currently amended) The method of claim [[6]] 1, further comprising:
- 2 heating said covered golf ball subassembly to a first temperature; and
- holding said covered golf ball subassembly at said first temperature for a first time
- 4 duration.
- 1 10. (original) The method of claim 9, further comprising:
- 2 heating said covered golf ball subassembly to a second temperature; and
- holding said covered golf ball subassembly at said second temperature for a second time
- 4 duration.
- 1 11. (currently amended) A method of making a golf ball, comprising:
- 2 mixing a first material and a second material in a mixer to form a thermoset polyurethane
- 3 cover layer material; and
- applying a cover layer of said cover layer material over a golf ball subassembly; and
- 5 cooling said mixer to maintain the material therein at a temperature of less than about
- 6 130° F.
- 1 12. (canceled)
- 1 13. (currently amended) The method of claim 12 11, wherein said cooling said mixer
- 2 includes cooling said mixer using a liquid.

- 1 14. (original) The method of claim 11, further comprising:
- 2 cooling said golf ball subassembly such that said golf ball subassembly undergoes a
- 3 volumetric reduction; and
- 4 wherein said applying said cover layer includes applying said cover layer of said cover
- 5 layer material over said volumetrically reduced golf ball subassembly.
- 1 15. (original) The method of claim 14, further comprising:
- 2 cooling said mixer.
- 1 16. (original) The method of claim 15, wherein said cooling said mixer includes cooling said
- 2 mixer using a liquid.
- 1 17. (currently amended) A method of making a golf ball, comprising:
- 2 providing a pre-formed golf ball subassembly;
- cooling [[a]] said golf ball subassembly such that the golf ball subassembly undergoes a
- 4 volumetric reduction;
- 5 mixing a first material and a second material in a mixer to form a cover layer material;
- 6 cooling said mixer;
- applying a cover layer of said cover layer material over the volumetrically reduced golf
- 8 ball subassembly to form a covered golf ball subassembly; and
- 9 curing said covered golf ball subassembly.
- 1 18. (original) The method of claim 17, wherein said cooling said mixer includes cooling said
- 2 mixer with a liquid.

- 1 19. (original) The method of claim 17, wherein said curing includes:
- 2 heating said covered golf ball subassembly to a first temperature; and
- holding said covered golf ball subassembly at said first temperature for a first time
- 4 duration.
- 1 20. (original) The method of claim 19, wherein said heating said covered golf ball
- subassembly to a first temperature includes heating said covered golf ball subassembly to a
- temperature between about ambient and about 255°F.
- 1 21. (original) The method of claim 20, wherein said holding said covered golf ball
- 2 subassembly at said first temperature includes holding said covered golf ball subassembly at said
- first temperature for a time duration between about 6 minutes and about 12 minutes.
- 1 22. (currently amended) The method of claim 19, wherein said curing further includes:
- 2 heating cooling said covered golf ball subassembly to a second temperature less than said
- 3 first temperature; and
- 4 holding said covered golf ball subassembly at said second temperature for a second time
- 5 duration.
- 1 23. (canceled)
- 1 24. (currently amended) The method of claim 23 22, wherein said holding said covered golf
- 2 ball subassembly at said second temperature includes holding said covered golf ball subassembly
- at said second temperature for about 20 minutes.

(original) A method of making a golf ball, comprising: 25. 1 forming a golf ball subassembly; 2 mixing a first material and a second material in a mixer to form a cover layer material; 3 cooling said mixer to maintain the first and second materials at a temperature of less than 4 about 130 F; 5 providing a mold; 6 applying a cover layer of said cover layer material on said golf ball subassembly using 7 said mold to form a covered golf ball subassembly; and 8 curing said covered golf ball subassembly. 9 26. (original) The method of claim 25, wherein: 1 said providing includes providing a first mold and a second mold; and 2 said applying includes: 3 inserting a predetermined amount of said cover layer material into said first mold; 4 inserting said golf ball subassembly into said first mold; 5 inserting a predetermined amount of said cover layer material into said second mold; and 6 coupling said first and said second molds together. 7 (original) The method of claim 26, further comprising: 27. 1 heating said first mold and said second mold prior to said applying. 2 (original) The method of claim 25, wherein said applying includes: 28. 1 inserting said golf ball subassembly into said mold; and 2 inserting a predetermined amount of said cover layer material into said mold. 3

- 1 29. (original) The method of claim 25, further comprising:
- 2 cooling said golf ball subassembly such that the golf ball subassembly undergoes a
- 3 volumetric reduction prior to said applying.
- 1 30. (original) The method of claim 25, further comprising:
- forming an intermediate layer on said golf ball subassembly prior to said applying.
- 1 31. (original) The method of claim 25, further comprising:
- 2 heating said mold prior to said applying.
- 1 32. (original) The method of claim 31, wherein said heating includes heating said mold to a
- temperature of between about 105°F and about 145°F.
- 1 33-41. (canceled)